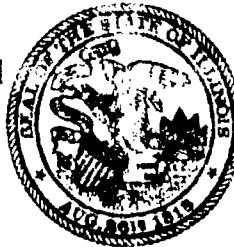


# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

2200 Churchill Road

Springfield, Illinois 62706



EPA Region 5 Records Ctr.



Dr. Richard H. Briceland, Director

318304

MAY 11, 1

PERMIT EXPIRATION DATE 12-31-77

COMMONWEALTH EDISON  
72 WEST ADAMS  
CHICAGO, IL.

60690

ATTENTION - A O COURTNEY

## REFERENCE

APPLICATION NO. - 8715006

ID NUMBER - 031183 031183

DATE BURNING MAY BEGIN - 09-01-77

DATE BURNING MUST CEASE - 12-31-77

LOCATION - COMMONWEALTH EDISON  
CITY OF  
MAYWOOD  
COOK

OPEN BURNING OF - 30 GAL GASOLINE AND 25 LB PROPANE PER SES  
SIGN

GENTLEMEN:

PERMIT IS HEREBY GRANTED TO OPEN BURN THE ABOVE-REFERENCED MATERIAL.

THIS PERMIT IS SUBJECT TO THE FOLLOWING CONDITIONS:

1. STANDARD CONDITIONS ATTACHED HERETO AND INCORPORATED HERIN BY REFERENCE.

VERY TRULY YOURS,

KEITH J. CONKLIN, P.E.  
MANAGER, PERMIT SECTION  
DIVISION OF AIR POLLUTION CONTROL

WLM

13705006  
03/18/83

Commonwealth Edison Company  
72 West Adams Street, Chicago, Illinois  
Address Reply to Post Office Box 767  
Chicago, Illinois 60620

April 28, 1977

Mr. Keith Conklin  
Permit, Permit Section  
Division of Air Pollution Control  
Illinois Environmental  
Protection Agency  
2200 Churchill Road  
Springfield, Illinois 62706

RECEIVED

MAY 02 1977

ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF AIR POLLUTION CONTROL  
STATE OF ILLINOIS

Dear Mr. Conklin:

In conformance with your letter of October 8, 1971, Commonwealth Edison Company hereby applies for an open burning permit to conduct fire fighting training for certain employees. Attached is the information requested in the above-referenced letter for application for the following open burning permits:

Glenbard Headquarters  
Elgin District Office  
Montgomery (Aurora)  
District Office

Downers Grove District Office  
Tech. Center (Maywood)\*

We would appreciate your prompt attention to this matter.

Very truly yours,

  
A. O. Courtney  
Director of Air Quality

ACC:CPS:bd  
Attachment

cc: State Fire Marshall

\* An extra copy is attached for Cook County.

## OPEN BURNING PERMIT APPLICATION FOR FIRE FIGHTING CLASSES

Name of Corporate Division or Plant for which this application is submitted: Commonwealth Edison Company

Location: Elmhurst, Illinois, Management's Office, Tech Center

I. Commonwealth Edison Company is principally engaged in the production, purchase, transmission, distribution, and sale of electric power. In the performance of duties related to these functions, many of its employes may be unavoidably exposed to certain hazards, including the danger of fire. The proper training of employees is mandatory to attain and maintain a high standard of safety for our employes and equipment. To be effective, such training in the case of fire fighting, must involve both classroom and field work. The open burning activity herein described is an essential element in that training.

### II. Details of Open Burning Demonstrations

Date or dates of training sessions:

September 19 to 22, 1977 inclusive

Note: Although tentative dates may be given above, it is not generally possible to specify in advance precisely when sessions will be held. Since sessions are held out of doors, they are subject to weather conditions. Power system conditions may force cancellation or postponement of sessions due to the unavailability of personnel. Classes also will be cancelled or postponed if an air pollution alert is in effect in the location involved. For these reasons, the dates above should be taken as indicative but not final, and permit dates should allow sufficient latitude for final scheduling or rescheduling over some period of time.

Total number of sessions to be conducted within the above period or periods:

2 on Sept. 19th & 20th  
1 " " 21, 22 and 23rd

Gallons of gasoline used per session: 30

Pounds of propane used per session: 25

Gallons of #2 distillate oil used per session: 0

Pounds of wood used per session: 0

The location for the open burning is specified on the attached map.

### III. Estimate of Contaminants Emitted

The air contaminants emitted by open combustion of the above mentioned material are estimated and tabulated in the following table:

Gallons Gasoline	
a) Carbon Dioxide	3068.10 lbs.
b) Carbon Monoxide	438.90 lbs.
c) Unburnt Hydrocarbon as ethane	26.04 lbs.
Pounds Propane	
a) Carbon Dioxide	421.75 lbs.
b) Carbon Monoxide	64.75 lbs.
c) Unburnt Hydrocarbon as ethane	17.50 lbs.
Gallons #2 Distillate Oil	
a) Carbon Dioxide	0 lbs.
b) Carbon Monoxide	1 lbs.
c) Sulfur Dioxide	1 lbs.
d) Ash -	None
e) Unburnt Hydrocarbon as ethane	1 lbs.
Pounds Wood	
a) Carbon Dioxide	0 lbs.
b) Carbon Monoxide	1 lbs.
c) Ash	1 lbs.
d) Unburnt Hydrocarbon as methane	1 lbs.

Nitrogen oxide emissions are expected to be negligible because of the relatively low flame temperatures experienced.

### IV. Cleanup and Residues

After each training day has been concluded, the affected area will be cleaned up. The fires will occur in metallic pans or cabinets which will subsequently contain combustion residues and any unburnt remnants. Most of the residue from the open burning will be disposed by the private scavenger. Small amounts of Sodium bicarbonate from dry chemical fire extinguishers may remain on the ground, but this chemical is highly soluble and non-toxic.

### V. Minimizing Contaminant Emissions

Two methods are utilized to reduce the emission of air contaminants as follows: 1) Extinguishing the flame in the minimum amount of time; and 2) use of a minimum amount of combustible materials.

### VI. Alternatives

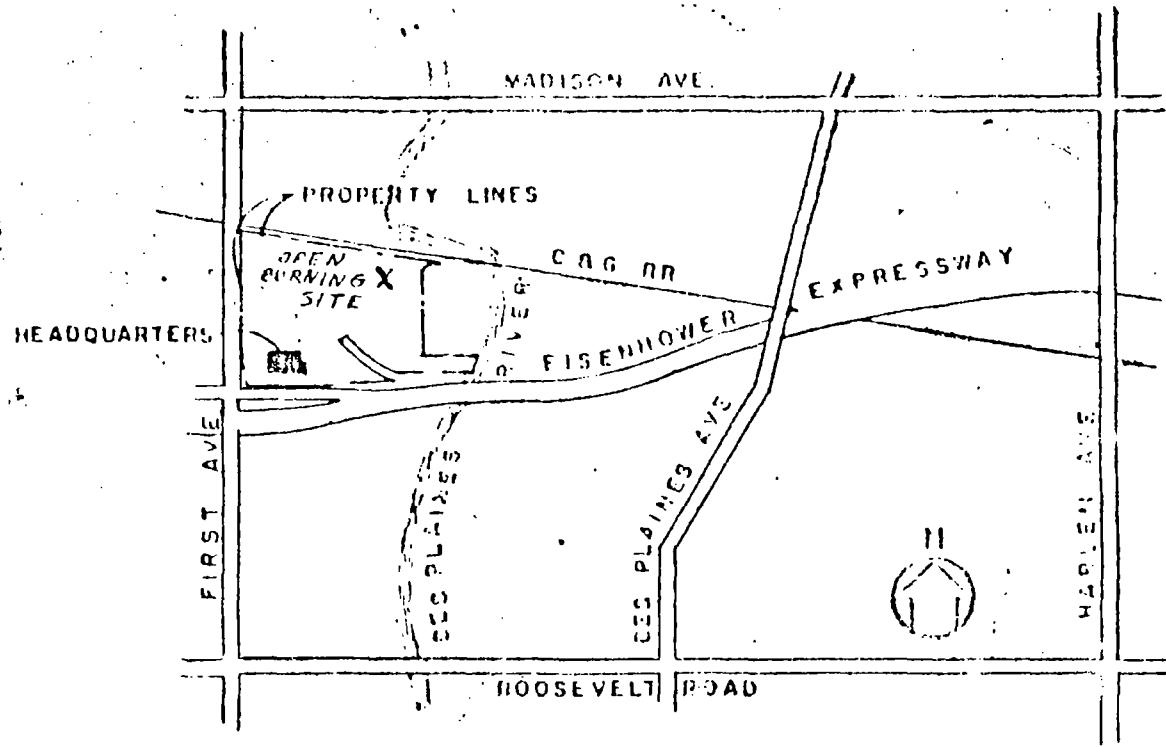
The alternatives to open burning such as texts or movies are not in themselves an adequate means of training employees in containing and extinguishing actual fires. The presence of persons trained to cope with live fires yields benefits to the welfare of lives, life, and property.

The open burning training will be conducted by:

Bill O'Brien, District Manager of the  
Charles R. Teller Company  
Phone No. 312/531-8500.

Safety advisors for Commonwealth Edison will be

Bill Forest (312/531-5131), and  
Ron Swangren (312/691-4515)



LOCATION PLAN  
MAYWOOD TECHNICAL  
CENTER